

Claim amendments. Claim 7 is cancelled and claims 8-19 are withdrawn, as follows:

1. **(ORIGINAL)** A method of making a thermally-removable adhesive, comprising the steps of:
 - mixing a bismaleimide compound and a monomeric furan compound, said monomeric furan compound containing an oxirane group, at an elevated temperature of greater than approximately 90°C to form a homogeneous solution;
 - mixing a curative at said elevated temperature to form a second homogeneous mixture; and
 - cooling said second homogeneous mixture to a temperature less than approximately 70°C to simultaneously initiate a Diels-Alder reaction between said furan and said bismaleimide and a epoxy curing reaction between said curative and said oxirane group, thereby forming a thermally-removable adhesive.
2. **(ORIGINAL)** The method of claim 1 wherein the curative is selected from the group consisting of amine curatives, anhydrides, carboxylic acids, and alcohols.
3. **(ORIGINAL)** The method of claim 1 wherein the curative is selected from the group consisting of chlorendic, dodecenylsuccinic anhydride, nadic methyl anhydride, pyromellitic dianhydride, maleic anhydride, 3-3'-dimethylmethylenedi(cyclohexylamine), polyoxypropylenediamine, and nonylphenol.
4. **(ORIGINAL)** The method of claim 1 wherein the monomeric furan is furfuryl glycidyl ether.

5. **(ORIGINAL)** The method of claim 1 wherein the bismaleimide compound is selected from 1,1'-(methylenedi-4,1-phenylene)-bismaleimide, N,N'-(4-methyl-1,3-phenylene)-bismaleimide, N,N'-m-phenylene-bismaleimide, and $((C_4H_2O_2N)C_6H_4)_2(OSi(CH_3)_2)_4O$.
6. **(ORIGINAL)** The method of claim 1 wherein the second homogeneous mixture is formed within less than approximately 20 minutes.
7. **(Cancelled)**
8. **(Withdrawn)** A method of adhering two pieces together, comprising:
 - mixing a bismaleimide compound and a monomeric furan compound, said monomeric furan compound containing an oxirane group, at an elevated temperature of greater than approximately 90°C to form a homogeneous solution;
 - mixing a curative at said elevated temperature to form a second homogeneous mixture;
 - cooling said second homogeneous mixture to a temperature less than approximately 70°C to form a thermally-removable adhesive;
 - contacting said thermally-removable adhesive to the surface of a first piece;
 - heating to a temperature greater than approximately 90°C;
 - contacting the surface of a second piece to the thermally-removable adhesive to form a two-piece system; and
 - curing said two-piece system by cooling to less than approximately 70°C to adhere the first piece to the second piece.

9. **(Withdrawn)** The method of claim 8 wherein said first piece is separated from said second piece by heating to a temperature greater than approximately 100°C.
10. **(Withdrawn)** The method of claim 8 wherein the step of heating to a temperature greater than approximately 90°C is performed after the surface of the first piece and the surface of the second piece have been contacted to the thermally-removable adhesive.
11. **(Withdrawn)** The method of claim 8 wherein the bismaleimide compound is selected from 1,1'-(methylenedi-4,1-phenylene)-bismaleimide, N,N'-(4-methyl-1,3-phenylene)-bismaleimide, N,N'-m-phenylene-bismaleimide, and $((C_4H_2O_2N)C_6H_4)_2(OSi(CH_3)_2)_4O$.
12. **(Withdrawn)** The method of claim 8 wherein the curative is selected from the group consisting of amine curatives, anhydrides, carboxylic acids, and alcohols.
13. **(Withdrawn)** The method of claim 8 wherein the curative is selected from the group consisting of chlorendic, dodecenylsuccinic anhydride, nadic methyl anhydride, pyromellitic dianhydride, maleic anhydride, 3-3'-dimethylmethylenedi(cyclohexylamine), polyoxypropylenediamine, and nonylphenol.
14. **(Withdrawn)** A method to form a conformal coating solution, comprising comprising the steps of:
- mixing a bismaleimide compound and a monomeric furan compound, said monomeric furan compound containing an oxirane group, at an elevated temperature of greater than approximately 90°C to form a homogeneous solution;

mixing a curative at said elevated temperature to form a second homogeneous mixture;

diluting said homogeneous mixture with a solvent; and

applying said diluted homogeneous mixture to a surface at a temperature less than approximately 70°C to simultaneously cure and evaporate at least a portion of said solvent to form a thermally-removable conformal coating.

15. **(Withdrawn)** The method of claim 14 wherein said solvent is a polar solvent.

16. **(Withdrawn)** The method of claim 14 wherein the bismaleimide compound is selected from 1,1'-(methylenedi-4,1-phenylene)-bismaleimide, N,N'-(4-methyl-1,3-phenylene)-bismaleimide, N,N'-m-phenylene-bismaleimide, and $((C_4H_2O_2N)C_6H_4)_2(OSi(CH_3)_2)_4O$.

17. **(Withdrawn)** The method of claim 14 wherein the curative is selected from the group consisting of amine curatives, anhydrides, carboxylic acids, and alcohols.

18. **(Withdrawn)** The method of claim 14 wherein the curative is selected from the group consisting of chlorendic, dodecenylsuccinic anhydride, nadic methyl anhydride, pyromellitic dianhydride, maleic anhydride, 3-3'-dimethylmethylenedi(cyclohexylamine), polyoxypropylenediamine, and nonylphenol.

19. **(Withdrawn)** The method of claim 14 wherein the surface is a surface of a printed wire board.